

Conroe Dam and Lake Conroe

OWNER

The San Jacinto River Authority	13.15 percent.
City of Houston	66.67 percent.
Texas Water Development Board	20.18 percent.

ENGINEER (Design)

Freese, Nichols and Endress.

LOCATION

On the West Fork San Jacinto River in Montgomery County, 7 miles northwest of Conroe.

DRAINAGE AREA

445 square miles.

DAM

Type	Earthfill
Length including levees	11,300 ft
Height above river channel	82 ft
Top width	20 ft
Top of dam elevation	212.0 ft above msl

SPILLWAY (emergency)

Location	Near right end of the main dam
Type	Concrete ogee
Length (net)	200 ft
Crest elevation	173.0 ft above msl
Control	5 tainter gates, each 40 by 30 ft
Top of gate elevation	202.5 ft above msl

SERVICE OUTLET

Type	Concrete tower and stilling basin
Inlets	3 with sluice gates
Gate size	Two 4 by 6 ft and one 5 by 5 ft
Discharge	Concrete conduit, variable size to 10 ft diameter

STATE AUTHORIZATION

Permit No. 1962 (Application No. 2108) June 9, 1960, to the San Jacinto River Authority authorized impoundment of 380,400 acre-feet of water and annual diversion of 66,000 acre-feet for municipal use, 28,500 for industrial purposes, and 5,500 acre-feet for mining use.
Permit No. 1962A (Application No. 2108A) August 31, 1965, authorized relocation of the dam and increase in capacity to 430,260 acre-feet at elevation 201.0 feet above msl.

RESERVOIR DATA (Based on information from the San Jacinto River Authority)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	212.0	706,970	29,490
Top of gates	202.5	462,640	22,100
Normal water level	201.0	430,260	20,985
Invert of high outlet	191.0	253,240	14,420
Invert of low outlet	145.0	370	150
Usable conservation storage space	—	429,890	—

GENERAL

Construction started with land purchases	June 15, 1964
Construction started (actual)	February 9, 1970
Impoundment of water began	January 1973 (estimate)
Dam completed	January 1973 (estimate)
General contractor	H. B. Zachry Company
Estimated cost of the dam	\$11,104,000
Estimated cost of the project	\$28,857,000

